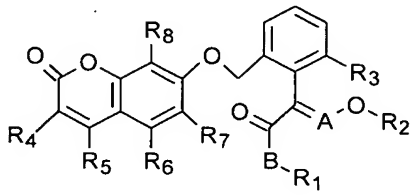
What is claimed:

1. A benzopyrone compounds, its features includes general formula (I):



(I)

wherein:

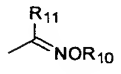
A is selected from CH or N;

B is selected from O, S or NR_9; R_9 is selected from H or C_1-C_{12}alkyl;

R_1 andR_2 are respectively selected from H, C_1-C_{12} alkyl or C_1-C_{12} haloalkyl;

R_3 is selected from H, C_1-C_{12} alkyl, C_1-C_{12} haloalkyl or C_1-C_{12} alkoxy;

R_4, R_5, R_6, R_7, and R_8 may be the same or different, selected from H, halo, CN, NO_2, C_1-C_{12} alkyl, C_2-C_{12} alkenyl, C_2-C_{12} alkynyl, C_1-C_{12} haloalkyl, C_1-C_{12} alkoxy, C_1-C_{12} alkylthio, C_1-C_{12} alkylsulfonyl, C_1-C_{12} alkylcarbonyl, C_1-C_{12} alkoxyC_1-C_{12}alkyl, C_1-C_{12} alkoxycarbonyl, C_1-C_{12} alkoxycarbonyl C_1-C_{12} alkyl, C_1-C_{12} haloalkoxyC_1-C_{12} alkyl, or amino C_1-C_{12}alkyl in which amino is substituted with 0-2 C_1-C_{12} alkyl, 0-3 substituted groups of aryl, aryloxyl, arylC_1-C_{12} alkyl, arylC_1-C_{12} alkoxy, aryloxyC_1-C_{12} alkyl, arylC_1-C_{12} alkoxylC_1-C_{12} alkyl, heteroaryl, heteroarylC_1-C_{12} alkyl, or heteroarylC_1-C_{12} alkoxyl, the 0-3 substituted groups may be selected from halo, NO_2, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 alkoxy or C_1-C_6 alkoxyC_1-C_6 alkyl, and the groups having general formula as follows:



wherein:R_{10} and R_{11} are selected from H, C_1-C_{12} alkyl, aryl or aryl C_1-C_{12} alkyl; when R_3, R_4, R_5, R_6, R_7, and R_8 are all H, B is not NR_9;

and its stereoisomer.

2. The benzopyrone compound according to the claim 1, characterized in that wherein general formula (I):

A is selected from CH or N;

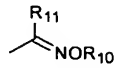
B is selected from O, S or NR_9; R_9 is selected from H or C_1-C_6 alkyl;

R_1 and R_2 are respectively selected from H, C_1-C_6 alkyl or C_1-C_6 haloalkyl;

R_3 is selected from H, C_1-C_6 alkyl, C_1-C_6 haloalkyl or C_1-C_6 alkoxy;

R_4, R_5, R_6, R_7, and R_8 may be the same or different, selected from H, halo, CN, NO_2, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_2-C_6 alkynyl, C_1-C_6 haloalkyl, C_1-C_6 alkoxy, C_1-C_6 alkylthio, C_1-C_6 alkylsulfonyl, C_1-C_6 alkylcarbonyl, C_1-C_6 alkoxyC_1-C_6 alkyl, C_1-C_6 alkoxycarbonyl, C_1-C_6 alkoxycarbonylC_1-C_6 alkyl, C_1-C_6 haloalkoxyC_1-C_6 alkyl, or amino C_1-C_6alkyl in which amino is substituted with 0-2 C_1-C_{12} alkyl, 0-3 substituted groups of aryl, aryloxyl, arylC_1-C_6 alkyl, arylC_1-C_6 alkoxy, aryloxyC_1-C_6 alkyl, arylC_1-C_6 alkoxylC_1-C_6 alkyl, heteroaryl, heteroarylC_1-C_6 alkyl, heteroarylC_1-C_6 alkoxyl, the 0-3 substituted groups may be selected from halo, NO_2, C_1-C_2

alkyl, C_1-C_2 haloalkyl, C_1-C_2 alkoxy or C_1-C_2 alkoxyC_1-C_2 alkyl, and groups having formula as follows:



wherein:R_{10} and R_{11} are respectively selected from H, C_1-C_6 alkyl, aryl or arylC_1-C_6 alkyl; when R_3, R_4, R_5, R_6, R_7, R_8 are all H, B is not NR_9.

3. The benzopyrone compound according to the claim 2, characterized in that wherein general formula (I):

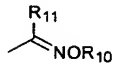
A is selected from CH or N;

B is selected from O or NH;

R_1 and R_2 are respectively selected from methyl;

R_3 is selected from H or methyl;

R_4, R_5, R_6, R_7, and R_8 may be the same or different, respectively selected from H, halo, CN, NO_2, C_1-C_6 alkyl, C_2-C_6 alkenyl, C_1-C_6 haloalkyl, C_1-C_6 alkoxy, C_1-C_6 alkylcarbonyl, C_1-C_6 alkoxyC_1-C_6 alkyl, C_1-C_6alkoxycarbonyl, C_1-C_6 alkoxycarbonylC_1-C_3alkyl, C_1-C_3 haloalkoxyC_1-C_3 alkyl, or amino C_1-C_3alkyl in which amino is substituted with 0-2 C_1-C_3 alkyl, phenyl, phenoxy, phenyl C_1-C_2 alkyl, phenylC_1-C_2 alkoxy, phenoxy C_1-C_2 alkyl, phenylmethyl, phenylmethoxyl, or phenylmethoxy C_1-C_2 alkyl substituted with 0-2 halo, NO_2, C_1-C_2 alkyl, C_1-C_2 haloalkyl, C_1-C_2 alkoxy or C_1-C_2 alkoxyC_1-C_2 alkyl, and the substituted group having general formula as follows:



wherein:R_{10} and R_{11} are respectively selected from H or C_1-C_6 alkyl; when R_3, R_4, R_5, R_6, R_7, and R_8 are all H, B is not NH.

4. The benzopyrone compound according to the claim 3, characterized in that wherein general formula (I):

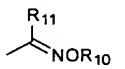
A is selected from CH or N;

B is selected from O or NH;

R_1 and R_2 are selected from methyl;

R_3 is selected from H or methyl;

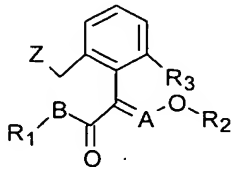
R_4, R_5, R_6, R_7, and R_8 may be the same or different, respectively selected from H, Cl, Br, F, CN, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 alkylcarbonyl, C_1-C_6 alkoxy, C_1-C_6 alkoxyC_1-C_3 alkyl, C_1-C_3 haloalkoxyC_1-C_3 alkyl, amino C_1-C_3alkyl in which amino is substituted with 0-2 C_1-C_3 alkyl, phenyl, phenoxy, phenylmethyl, phenylmethoxyl, substituted with 0-2 halo, NO_2, C_1-C_2 alkyl, C_1-C_2 haloalkyl, C_1-C_2 alkoxy or C_1-C_2 alkoxyC_1-C_2 alkyl, and the substituted groups having general formula as follows:



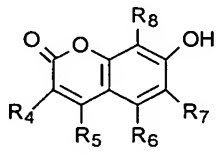
wherein:R_{10} and R_{11} are selected from methyl; when R_3, R_4, R_5, R_6, R_7, R_8 are all H, B is not NH.

5. A preparation method of benzopyrone compounds, characterized in that:

The compound of general formula (I) is prepared by reaction of Benzylhalide having general formula (II) with 7-OH-benzopyrone compounds having general formula (III) at the present of base:



II



III

wherein:

Z is leaving group selected from Cl or Br;

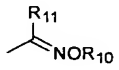
A is selected from CH or N;

B is selected from O, S or NR_9; R_9 is selected from H or C_1-C_{12} alkyl;

R_1 andR_2 are respectively selected from H, C_1-C_{12} alkyl or C_1-C_{12} haloalkyl;

R_3 is selected from H, C_1-C_{12} alkyl, C_1-C_{12} haloalkyl or C_1-C_{12} alkoxy;

R_4, R_5, R_6, R_7, and R_8 may be the same or different, respectively selected from H, halo, CN, NO_2, C_1-C_{12} alkyl, C_2-C_{12} alkenyl, C_2-C_{12} alkynyl, C_1-C_{12} haloalkyl, C_1-C_{12} alkoxy, C_1-C_{12} alkylthio, C_1-C_{12} alkylsulfonyl, C_1-C_{12} alkylcarbonyl, C_1-C_{12} alkoxyC_1-C_{12}alkyl, C_1-C_{12} alkoxycarbonyl, C_1-C_{12} alkoxycarbonylC_1-C_{12} alkyl, C_1-C_{12} haloalkoxyC_1-C_{12} alkyl, or amino C_1-C_{12}alkyl in which amino is substituted with 0-2 C_1-C_{12} alkyl; 0-3 substituted groups of aryl, aryloxyl, arylC_1-C_{12} alkyl, arylC_1-C_{12} alkoxy, aryloxy C_1-C_{12} alkyl, arylC_1-C_{12} alkoxylC_1-C_{12} alkyl, heteroaryl, heteroarylC_1-C_{12} alkyl, or heteroaryl C_1-C_{12}alkoxyl, the 0-3 substituted groups may be selected from halo, NO_2, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6alkoxy or C_1-C_6 alkoxyC_1-C_6 alkyl, and the groups having general formula as follows:



wherein:R_{10} and R_{11} are selected from H, C_1-C_{12} alkyl, aryl or aryl C_1-C_{12} alkyl;when R_3, R_4, R_5, R_6, R_7, and R_8 are all H, B is not NR_9.

6, According to the claim 1, application of the benzopyrone compounds for controlling insects in plants.

7, According to the claim 1, application of the benzopyrone compounds for controlling fungi in plants.

8, A composition of fungicides and insecticides comprises the compound of the claim **1** as an active ingredient, wherein the weight percentage of the active ingredient in the composition is from 0.1% to 99%.